



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

15 West Yakima Avenue, Suite 200 • Yakima, Washington 98902-3452 • (509) 575-2490

April 5, 2005

Harvey L. Jones Farm Inc  
2020 Thacker Rd  
Granger WA 98932-9708

**Re: Emergency Drought Permit No. G4-34961**

In accordance with the provisions of RCW 43.83B.405, on March 10, 2005, it was ordered and determined by the Director of the Department of Ecology that the State of Washington is under drought conditions. In accordance with the provisions of WAC 173-166-060, the Department of Ecology is under the terms of this Order, issuing an EMERGENCY DROUGHT PERMIT. The intent of this authorization is to alleviate hardships and reduce the burdens on water users arising from the drought conditions.

**THIS AUTHORIZATION SHALL IN NO MANNER BE CONSTRUED TO GUARANTEE OR IMPLY THAT A FINAL (REGULAR) PERMIT WILL ISSUE FOR THE FUTURE USE OF THE WATER USE HEREIN AUTHORIZED.**

The Department of Ecology has agreed to fund the cost of the mitigation or offsets for the impacts associated with the drought emergency authorizations. Ecology is attempting to meet the essential irrigation needs of farmers growing perennial crops (such as orchard crops, grapes, hops, etc.) where the loss of irrigation water would permanently damage the crops. Through the use of emergency supplemental wells, Ecology is authorizing up to 80% of the usual irrigation water supply delivered by the irrigation districts. In a normal year, Roza Irrigation District (the District) is prepared to deliver 3 to 3.3 acre-feet of water per acre. 80% of 3.3 acre-feet is 2.6 acre feet. The District is expected to deliver approximately 0.84 acre-foot of water. This authorization will allow an additional 1.8 acre-feet of water per acre.

This authorization is subject to the following limitations and provisions:

This authorization is for one or two proposed new wells. One well is to be located approximately 800 feet south and 800 feet west from the NE corner of Section 33 within the NE $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 33, T. 11 N., R. 21 E.W.M. The second well may be located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 33, T. 11 N., R. 21 E.W.M.

The instantaneous quantity of water to be withdrawn is limited to 1000 gallons per minute from one well or both wells combined.

A total of 305.64 acre-feet of water per year is authorized under this emergency permit to irrigate 164.5 acres from one well or both wells combined.

**FILE COPY**





The place of use is described as follows:

PARCEL D: That portion of the NE $\frac{1}{4}$  of Section 33, T. 11 N., R. 21 E.W.M., lying southeasterly of the following described line: Beginning on the east boundary of said NE $\frac{1}{4}$  510.00 feet south of the NE corner thereof; thence S 76°36'05" W 142.50 feet; thence S 67°48'39" W 432.98 feet; thence S 65°33'02" W 221.31 feet; thence S 42°01'08" W 670.00 feet; thence S 46°58'29" W 116.52 feet; thence S 15°52'43" W 299.64 feet; thence S 25°36'02" W 81.09 feet; thence S 32°23'27" W 259.41 feet; thence S 38°28'27" W 451.01 feet; thence S 37°29'49" W 165.24 feet; thence S 51°46'31" W 246.22 feet; thence S 36°37'14" W 63.92 feet to the south boundary of said NE $\frac{1}{4}$  and terminus said line; AND EXCEPT right of way for County Road along the east boundary;

AND

The N $\frac{1}{2}$  of the SE $\frac{1}{4}$  of Section 33, T. 11 N., R. 21 E.W.M.; EXCEPT beginning at the SW corner of said N $\frac{1}{2}$  of the SE $\frac{1}{4}$ ; thence north 64 rods; thence east 100 rods; thence south 64 rods; thence west 100 rods to the point of beginning;

EXCEPT right of way for County Road along the east line thereof;

EXCEPT that portion conveyed to Yakima County for road purposes by instrument recorded under auditors' file No. 2154591;

PARCEL E: That portion of the NE $\frac{1}{4}$  and that portion of the N $\frac{1}{2}$  of the SE $\frac{1}{4}$ ; EXCEPT the south 64 rods of the said N $\frac{1}{2}$  of Section 33, T. 11 N., R. 21 E.W.M., lying northwesterly of the following described line:

Beginning on the east boundary of said NE $\frac{1}{4}$  510.00 feet south of the NE corner thereof; thence S 76°36'05" W 142.50 feet; thence S 67°48'39" W 432.98 feet; thence S 65°33'02" W 221.31 feet; thence S 42°01'08" W 670 feet; thence S 46°58'29" W 116.52 feet; thence S 15°52'43" W 299.64 feet; thence S 25°36'02" W 81.09 feet; thence S 32°23'27" W 259.41 feet; thence S 38°28'27" W 451.01 feet; thence S 37°29'49" W 165.24 feet; thence S 51°46'31" W 246.22 feet; thence S 36°37'14" W 230.86 feet; thence S 43°15'07" W 112.08 feet;

Thence S 54°22'55" W 80 feet, more or less, to the south boundary of said parcel and terminus of said line;

Yakima Parcel Nos.: 21113311002, 21113311004, 21113313004, 21113312002, 21113314001, and 21113341002.

To develop a well in the Saddle Mountains Aquifer, the well must comply with the following construction requirements and restrictions:

- (a) Unperforated casing shall be set or placed (not driven) twenty (20) feet into the top of Pomona Member (basalt) of the Saddle Mountain Formation, which is estimated to occur at or below a depth of approximately 600 feet.
- (b) The well casing annulus shall be sealed into the top of the Pomona with a neat cement or neat cement grout. The sealing material shall be placed in the annulus by pumping to seal the entire annulus from the bottom of the casing to the land surface.
- (c) The well annulus shall be at least four (4) inches greater in diameter than the permanent casing.



- (d) The well depth shall terminate at or above a depth corresponding to the top of the Priest Rapids Member of the Wanapum Formation, which should be encountered at or below a depth of approximately 1000 feet.
- (e) Installation of an airline and an access port for water level measurement is required.

When flowing artesian conditions are known or suspected, the operator shall have a written sealing plan prepared prior to initiation of construction. Flowing wells shall be so constructed and equipped with valves to ensure that the flow of water can be completely stopped when not being used. Likewise, the well shall be so maintained as to prevent the waste of water through leaky casings, pipes, fittings, valves, or pumps--either above or below land surface.

All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under RCW 18.104 (Washington Water Well Construction Act of 1971) and WAC Chapter 173-160-075 through 173-160-305 (Minimum Standards for Construction and Maintenance of Water Wells).

The applicant shall require the driller to collect and retain drill cuttings for Ecology to submit for laboratory analysis as follows:

The driller shall collect and retain basalt chip samples starting with the first basalt encountered and every 20 feet thereafter and at significant changes in lithology. The depth each sample is taken from shall be recorded with the sample. Gross sample size should be large enough to provide a net minimum of sixteen (16) ounces of dry, clean, washed basalt chips from each sample. Staff from Ecology will pick up the samples during and/or at the conclusion of drilling and may arrange for X-ray Fluorescence Analysis. As soon as the drilling schedule is established, the applicant shall notify Anna Hoselton (509) 454-7887 or Ron Dixon (509) 454-7897 at the Department of Ecology, Yakima, WA, to go over any questions and arrange for site access by Ecology staff.

All other provisions of Chapter 173-160 WAC apply:

The new well shall be constructed by August 1, 2005. If the new well is not completed by August 1, 2005, you must notify Ecology and provide us with an estimated completion date and a statement describing how the well or wells will be used to provide supplemental water this year. If the well cannot be completed in sufficient time to provide water this year, this emergency permit will be cancelled.

All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under Chapter 18.104 RCW (Washington Water Well Construction Act of 1971) and Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Water Wells).

A suitable flow meter approved by the Department of Ecology shall be installed and maintained in accordance with Chapter 173-173 WAC. (Installation, operation and maintenance requirements attached hereto.)



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Whenever water is being diverted, bi-weekly (every two weeks) readings of the flow meter shall be recorded and maintained by the permittee. These readings shall be documented by time, date, withdrawal rate, and the person conducting the measurements. Copies of these records shall be submitted to the Department of Ecology by November 15, 2005.

Withdrawal of water under this right may be limited or otherwise regulated in favor of senior rights.

Department of Ecology personnel, upon presentation of proper credentials, shall have access at reasonable times, to the records of water use that are kept to meet the above conditions, and to inspect at reasonable times any measuring device used to meet the above conditions.

This drought emergency authorization expires on October 31, 2005.

This Order may be appealed pursuant to Chapter 43.21B RCW. Any person wishing to appeal this Order must file an appeal with the Pollution Control Hearings Board **within thirty (30) days of receipt of this Order**. Send the appeal to: Pollution Control Hearings Board, PO Box 40903, Olympia, Washington 98504-0903. At the same time, a copy of the appeal **must** be sent to: Department of Ecology, Water Resources Appeals Coordinator, PO Box 47600, Olympia, Washington 98504-7600.

Sincerely,

Robert F. Barwin, Section Manager  
Water Resources Program  
Central Region Office

RFB:PNK:gg  
050421

Enclosures: Flow Meter Requirements  
Your Right To Be Heard

cc: Carroll Palmer, Director, Natural Resources Division, Yakama Nation  
Curt Hart, Water Resources Program, HQ